

CLAIMS

What is claimed is:

1. An enterprise application comprising:
 - a BaseObject, said BaseObject to include base data from a set of one or more external applications, said base data describing said set of one or more external applications;
 - a variant, said variant inherits from said BaseObject, said variant having a shape, said shape to include a set of one or more extrinsic attributes describing said external application; and
 - a partition, said partition to provide content to said shape of said variant, said content to include data from said one or more external applications.
2. The enterprise application of claim 1 where said variant inherits attributes and behavior from said BaseObject.
3. The enterprise application of claim 1 where said variant includes a set of one or more of said partitions.
4. The enterprise application of claim 1 where said partition has only one variant.
5. The enterprise application of claim 1 further comprising:
 - a context, said context includes a user specific information, said context used to determine which variant said user may access.
6. The enterprise application of claim 5 where said user specific information includes a username and a login token.
7. The enterprise application of claim 1 wherein two or more variants may be accessed simultaneously.
8. The enterprise application of claim 1 wherein said external application is a ERP.

9. The enterprise application of claim 1 wherein said external application includes a SAP ERP, a PeopleSoft ERP, and an Oracle ERP.
10. The enterprise application of claim 1 wherein said variants are defined using XML.
11. The enterprise application of claim 1 wherein said variant uses two-dimensional inheritance.
12. The enterprise application of claim 1 further comprising:
a cluster, said cluster includes a set of one or more BaseObjects.
13. The enterprise application of claim 1 wherein said enterprise application is a multi-organization resource management system.
14. A method of providing multi-organization resource management comprising:
importing data from a set of one or more external applications;
generating a purchase requisition from resource data from said set of one or more external applications;
determining whether to approve said purchase requisition;
validating a purchase order for said set of one or more external applications;
converting said purchase requisition to said purchase order; and
exporting said purchase order to said set of one or more external applications.
15. The method of claim 14 wherein said imported data is stored in a set of one or more partitions having a shape defined by a set of one or more variants.
16. The method of claim 15 wherein one of said set of one or more partitions is associated to only one of said set of one or more variant.
17. The method of claim 15 wherein said variant is associated to said set one or more partitions.
18. The method of claim 14 wherein said importing data further comprising:
accessing said one or more external applications simultaneously.

19. The method of claim 14 wherein said external applications include ERPs.
20. The method of claim 14 wherein said external applications include a SAP ERP, a PeopleSoft ERP, and an Oracle ERP.
21. A machine-readable medium that provides instructions, which when executed by a set of one or more processors, cause said set of processors to perform operations comprising:
 - importing data from a set of one or more external applications;
 - generating a purchase requisition from resource data from said set of one or more external applications;
 - determining whether to approve said purchase requisition;
 - validating a purchase order for said set of one or more external applications;
 - converting said purchase requisition to said purchase order; and
 - exporting said purchase order to said set of one or more external applications.
22. The machine-readable medium of claim 21 wherein said imported data is stored in a set of one or more partitions having a shape defined by a set of one or more variants.
23. The machine-readable medium of claim 22 wherein one of said set of one or more partitions is associated to only one of said set of one or more variant.
24. The machine-readable medium of claim 22 wherein said variant is associated to said set one or more partitions.
25. The machine-readable medium of claim 21 wherein said importing data further comprising:
 - accessing said one or more external applications simultaneously.
26. The machine-readable medium of claim 21 wherein said external applications include ERPs.

27. The machine-readable medium of claim 21 wherein said external applications include a SAP ERP, a PeopleSoft ERP, and an Oracle ERP.
28. A method of providing a multi-organization resource management comprising:
receiving external application data from a set of one or more external applications;
and
storing said external application data to a set of one or more partitions having the
shape of a set of one or more variants.
29. The method of claim 28 wherein said imported data is stored in a set of one or more
partitions having a shape defined by a set of one or more variants.
30. The method of claim 28 wherein one of said set of one or more partitions is
associated to only one of said set of one or more variant.
31. The method of claim 28 wherein said external applications are accessed
simultaneously.
32. The method of claim 28 wherein said external applications include ERPs.
33. The method of claim 28 wherein said external applications include a SAP ERP, a
PeopleSoft ERP, and an Oracle ERP.
34. A machine-readable medium that provides instructions, which when executed by a
set of one or more processors, cause said set of processors to perform operations
comprising:
receiving external application data from a set of one or more external applications;
and
storing said external application data to a set of one or more partitions having the
shape of a set of one or more variants.

35. The machine-readable medium of claim 34 wherein said imported data is stored in a set of one or more partitions having a shape defined by a set of one or more variants.
36. The machine-readable medium of claim 34 wherein one of said set of one or more partitions is associated to only one of said set of one or more variant.
37. The machine-readable medium of claim 34 wherein said external applications are accessed simultaneously.
38. The machine-readable medium of claim 34 wherein said external applications include ERPs.
39. The machine-readable medium of claim 34 wherein said external applications include a SAP ERP, a PeopleSoft ERP, and an Oracle ERP.
40. A method of providing a multi-organization resource management comprising:
generating a first variant for a first external application instance, said first variant includes first external application instance data;
generating a second variant for a second external application instance, said second variant includes second external application instance data; and
accessing said first and second variants to access first external application data and said second external application data simultaneously from said first external application instance and said second external application instance.